

What are the greatest inland monitoring needs for Central Valley salmonids?

*...ideas, insights, random thoughts,
and ramblings of a Central Valley
fishery biologist*

I have a MONITORING dream...





Top Ten

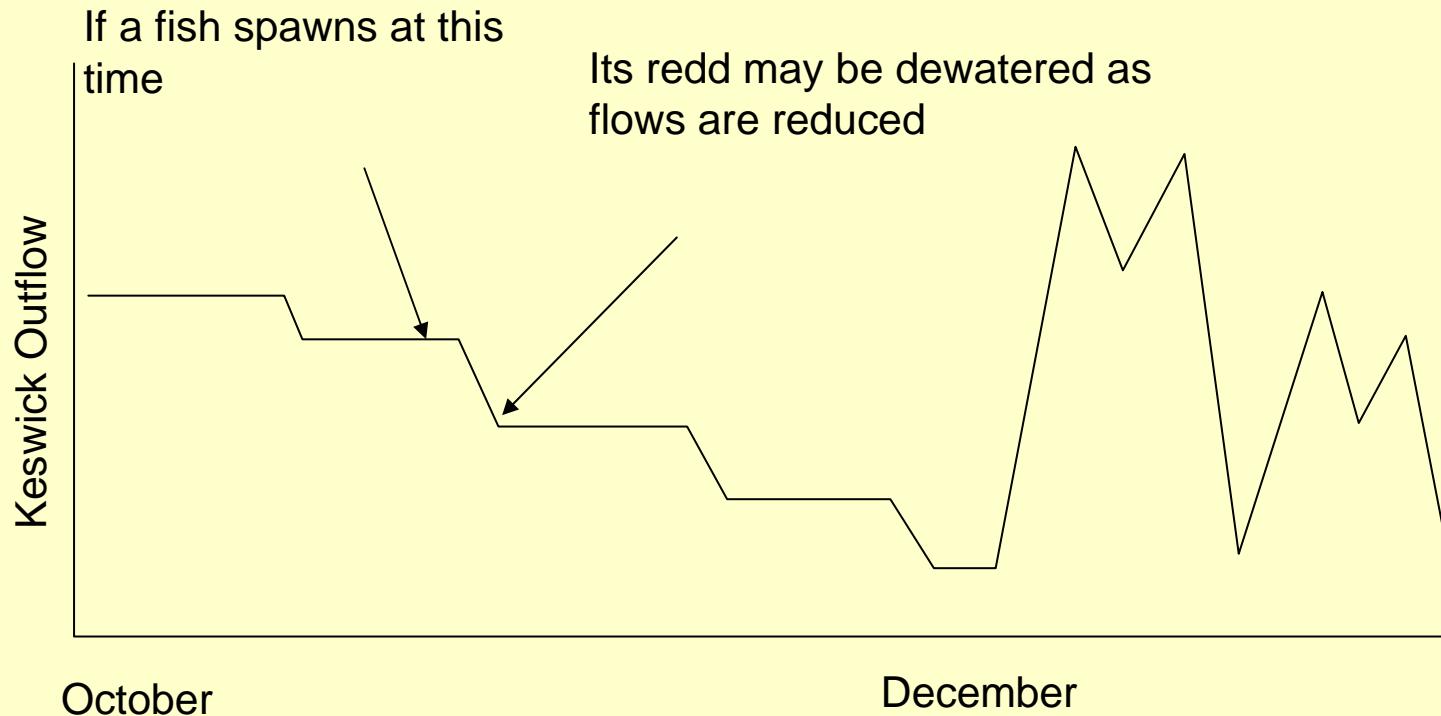
**Salmonid Monitoring Needs
in the
Inland Central Valley**

Lester



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Effects of Flow Management on Redd Dewatering



Water management during the fall dewater fall Chinook salmon redds in the Sacramento River.



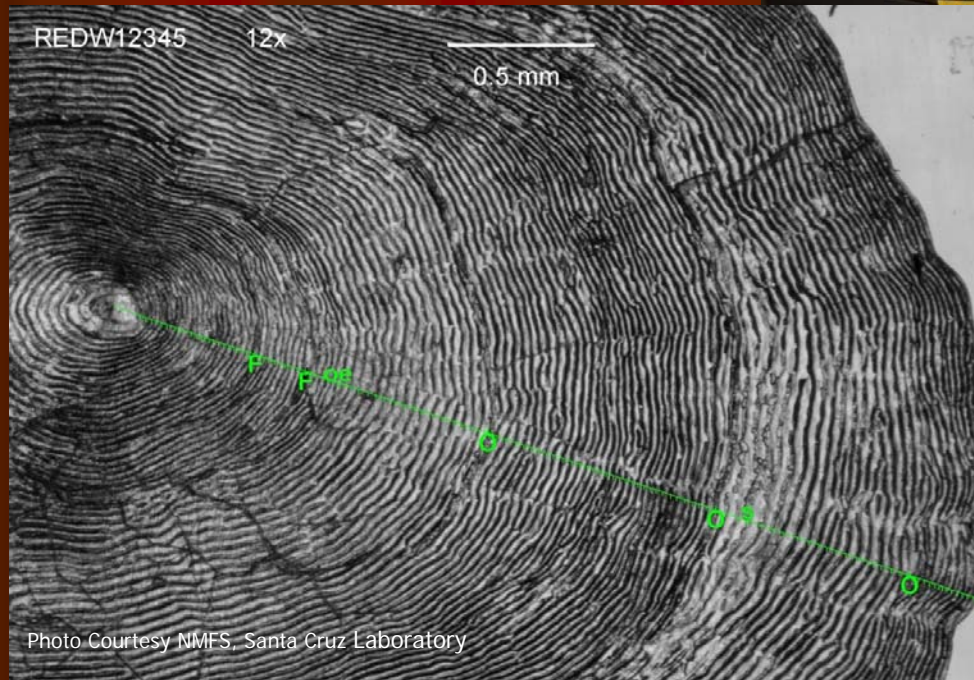
Photos Courtesy: Doug Killam, CDFG, Red Bluff





Age Structure of Chinook Salmon

Photo Courtesy USFWS Red Bluff, Clear Creek Monitoring





The Lower Sacramento River





Inland Harvest Monitoring



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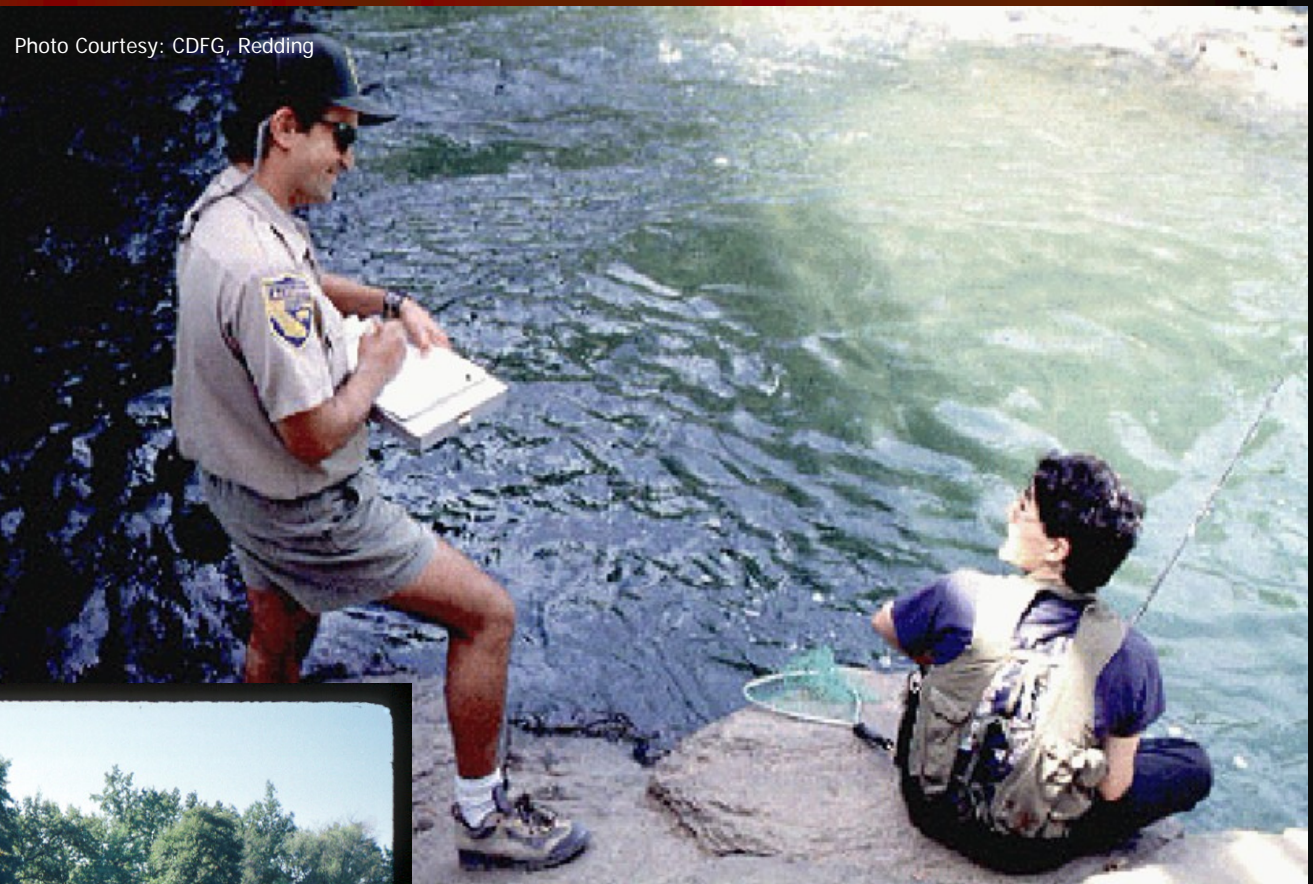
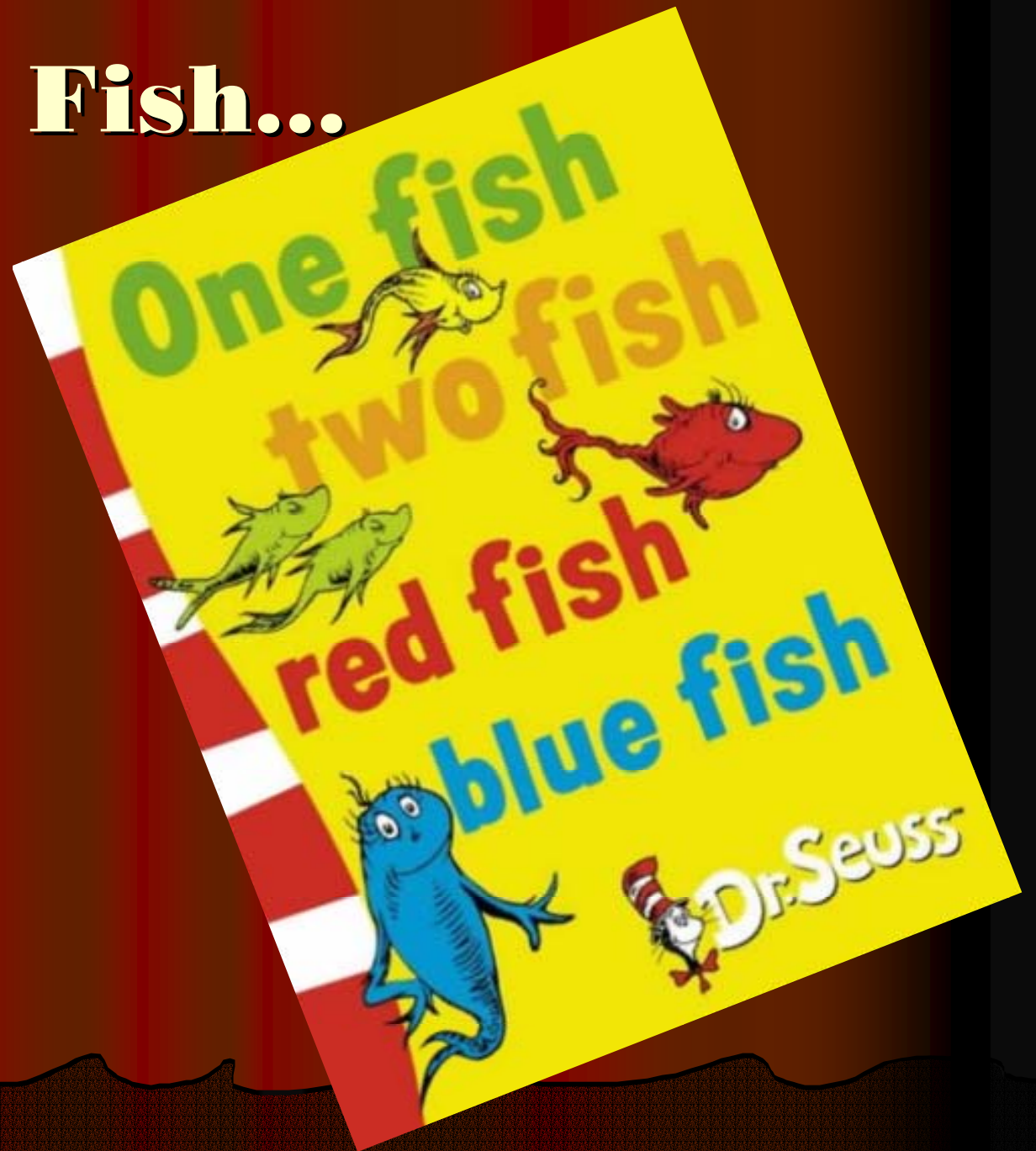


Photo Courtesy: Duane Massa, CDFG



Counting Fish...



Snorkel Surveys

Photo Courtesy: USFWS, Red Bluff, Clear Creek Monitoring



Aerial Redd Surveys

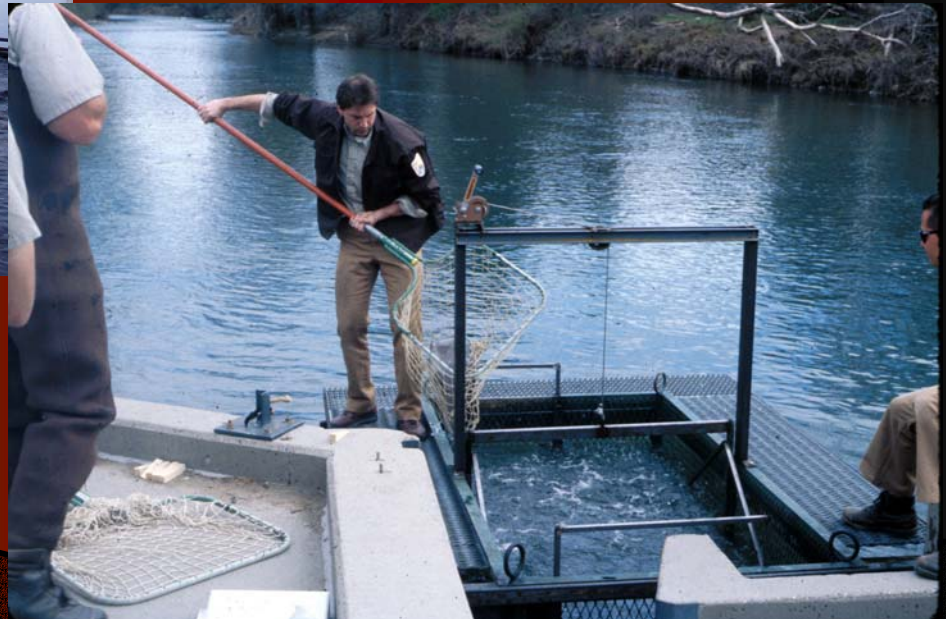


Mark and Recapture Carcass Surveys





Using new approaches to
monitor adult abundance...





Steelhead / Rainbow Trout



Photo Courtesy: CDFG, Redding



Differentiating Hatchery and Natural Fish







Photo Courtesy of Northwest Marine Technology, Inc.



Juvenile Salmonid Abundance





Photo Courtesy: USFWS, RBFOW, Tributary Monitoring Program



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Emigration through the Delta

Including, studying the effects due to CVP and SWP operations...

And the Delta inroutes at the Cross Channel and Georgiana Slough





Photos Courtesy of USFWS, Stockton.



Using New Technologies...



Photo Credit: Dennis Rondorf, USGS



Photo Courtesy: Vemco, Inc.



Photo Credit: Dave Vogel, Natural Resource Scientists

Time for Questions, Comments, & Discussion

